

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L2    | 2    | ("6377631").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/11/09 11:00 |
| L3    | 25   | ("4337376"   "4710944"   "5134715"<br>  "5228025"   "5315584"  <br>"5345599"   "5471647"   "5479444"<br>  "5479447"   "5510779"  <br>"5515378"   "5537435"   "5548819"<br>  "5566209"   "5592490"  <br>"5634199"   "5642353"   "5649287"<br>  "5691727"   "5752173"  <br>"5809019"   "5886988"   "5905721"<br>  "5966094"   "6097771").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | ADJ              | OFF     | 2006/11/09 11:00 |
| L4    | 14   | ("6377631").URPN.  | USPAT   | ADJ              | OFF     | 2006/11/09 11:18 |
| L5    | 46   | rf with space near time  | USPAT   | ADJ              | OFF     | 2006/11/09 11:30 |
| L6    | 2    | ("6144711").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/11/09 11:30 |
| L7    | 24   | ("4337376"   "4710944"   "5134715"<br>  "5228025"   "5315584"  <br>"5345599"   "5471647"   "5479444"<br>  "5479447"   "5510799"  <br>"5515378"   "5537435"   "5548819"<br>  "5566209"   "5592490"  <br>"5634199"   "5642353"   "5649287"<br>  "5691727"   "5752173"  <br>"5809019"   "5886988"   "5905721"<br>  "5966094").PN.             | US-PGPUB;<br>USPAT;<br>USOCR                                      | ADJ              | OFF     | 2006/11/09 12:29 |
| L8    | 1286 | (375/347).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/11/09 12:30 |
| L9    | 478  | 8 and rf   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2006/11/09 12:30 |

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|    |     |  |   |     |     |                  |
|----|-----|--|---|-----|-----|------------------|
| S1 | 2   | ("20050025271").PN.                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/11/06 14:19 |
| S2 | 2   | ("6377631").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/09/21 17:20 |
| S3 | 2   | ("6917820").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/09/21 17:20 |
| S4 | 1   | RF with stream\$1 with switch\$4<br>with branch\$4     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/10/06 13:32 |
| S5 | 35  | RF same stream\$1 same switch\$4<br>same branch\$4     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 16:47 |
| S6 | 572 | RF same switch\$4 same modulat\$4<br>same transform\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/10/06 13:51 |
| S7 | 20  | S6 and (ifft or fft)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/10/06 13:51 |
| S8 | 402 | space near time near code                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 16:47 |

## EAST Search History

|     |      |  |   |     |     |                  |
|-----|------|--|---|-----|-----|------------------|
| S9  | 78   | S8 and rf                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 17:36 |
| S10 | 142  | spatio near tempor\$4 near<br>process\$4     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 17:37 |
| S11 | 60   | S10 and rf                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 17:41 |
| S12 | 2636 | diversity and space near time                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 17:41 |
| S13 | 248  | diversity and (space near time near<br>code) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 17:46 |
| S14 | 1261 | (455/41.2).CCLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/11/06 17:46 |
| S15 | 0    | S14 and space near time near code            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 17:47 |
| S16 | 9    | S14 and space near time                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 17:49 |

## EAST Search History

|     |     |                   |   |     |     |                  |
|-----|-----|-------------------|---|-----|-----|------------------|
| S17 | 180 | (455/151.2).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/11/06 17:49 |
| S18 | 51  | S17 and rf        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 18:06 |
| S19 | 366 | 348/554.ccls.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 18:07 |
| S20 | 114 | S19 and rf        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 18:08 |
| S21 | 0   | 725/343.ccls.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 18:13 |
| S22 | 2   | ("6114711").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/11/06 18:14 |
| S23 | 2   | ("6144711").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/11/06 18:14 |

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|     |      |   |  |     |     |                  |
|-----|------|---|--|-----|-----|------------------|
| S24 | 24   | ("4337376"   "4710944"   "5134715"   "5228025"   "5315584"   "5345599"   "5471647"   "5479444"   "5479447"   "5510799"   "5515378"   "5537435"   "5548819"   "5566209"   "5592490"   "5634199"   "5642353"   "5649287"   "5691727"   "5752173"   "5809019"   "5886988"   "5905721"   "5966094").PN.             | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2006/11/06 18:21 |
| S25 | 2    | ("6377631").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR  | OFF | 2006/11/06 18:21 |
| S26 | 25   | ("4337376"   "4710944"   "5134715"   "5228025"   "5315584"   "5345599"   "5471647"   "5479444"   "5479447"   "5510779"   "5515378"   "5537435"   "5548819"   "5566209"   "5592490"   "5634199"   "5642353"   "5649287"   "5691727"   "5752173"   "5809019"   "5886988"   "5905721"   "5966094"   "6097771").PN. | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2006/11/06 18:27 |
| S27 | 64   | phase shift splitt\$4   | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2006/11/06 18:29 |
| S28 | 59   | S27 and rf  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2006/11/06 18:31 |
| S29 | 6261 | matrix with multiplication  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2006/11/06 18:32 |
| S30 | 804  | S29 and rf  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2006/11/06 18:31 |
| S31 | 122  | S30 and space near time   | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2006/11/06 18:32 |
| S32 | 122  | S30 and space near time   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 18:32 |

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|     |      |                                |  |     |     |                  |
|-----|------|--------------------------------|--|-----|-----|------------------|
| S33 | 7477 | matrix with multiplication     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 18:32 |
| S34 | 122  | S33 and rf and space near time | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/11/06 18:32 |
| S35 | 3    | gb "2280571"                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ | OFF | 2006/11/08 12:59 |
| S36 | 812  | transform\$4 near ante\$4      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ | OFF | 2006/11/08 13:01 |
| S37 | 249  | S36 and rf                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ | OFF | 2006/11/08 13:00 |
| S38 | 431  | phase near shift near ante\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ | OFF | 2006/11/08 13:01 |
| S39 | 132  | S38 and rf                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ | OFF | 2006/11/08 13:01 |